

MARAKUSHEV, A.A.; KHETCHIKOV, L.N.; YEFIMOVA, M.I.; KIM MIN SEB; KIM CHAN
VON; KIM KHAK DZE

Warwickite and paigeite finds in Pre-Cambrian dolomite marbles of
North Korea. Dokl.AN SSSR 134 no.1:168-170 S '60. (MIRA 13:8)

1. Dal'nevostochnyy filial im. V.L.Komarova Sibirskogo otdeleniya
Akademii nauk SSSR i Akademiya nauk Koreyskoy Narodno-Demokra-
ticheskoy Respubliki. Predstavлено akad. D.S. Korzhinskim.
(Korea, North--Warwickite)
(Korea, North--Paigeite)

S/007/61/000/002/003/004
B107/B217

AUTHORS: Marakushev, A. A., Polin, Yu. K.

TITLE: Gallium distribution in minerals of archaic metamorphic rocks of the Aldanskiy shield

PERIODICAL: Geokhimiya, no. 2, 1961, 181-183

TEXT: The paper presents the results of a study of the gallium distribution in minerals of metamorphic rocks. Minerals in paragenesis were used for the gallium determination, i. e., minerals which had usually formed simultaneously and under equal conditions (pressure, temperature and chemism of the medium). It is therefore presumed that the observed gallium distribution is determined only by the crystallochemical properties of the minerals themselves. The principal purpose of this work was therefore to clarify the effect of these properties on the gallium distribution. Samples from the archaic complex of the Uchur basin were used. Samples of quartz- and orthoclase-containing rocks from a series of granitized crystalline schists and orthotectites, migmatites (almandine-biotite, sillimanite, almandine-biotite-hornblende rocks, etc.), and samples of quartz-free rocks formed by

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the displacement of dolomitic marbles (calcifite, spinel-diopside, phlogopite, magnetite rocks, etc.) were chosen. Gallium in the minerals was simultaneously determined by fluorescence and with rhodaline; the determination was carried out by the analyst V. D. Yeremeyeva in the laboratory of the Primorskoye geologicheskoye upravleniye (Primorskiy kray Geological Direction). Results are given in Tables 1 and 2. Complete silicate analyses were carried out for minerals of extremely complicated composition, such as almandine, biotite, and hornblende (Table 3); they were conducted by the analyst Blagina in the above-mentioned laboratory. The following empirical formulas were obtained from these analyses:

almandine $(\text{Mg}_{0.96}\text{Fe}^{2+}_{1.78}\text{Mn}_{0.02}\text{Ca}_{0.13}\text{Fe}^{3+}_{0.03})\text{Fe}^{3+}_{0.02}\text{Al}_{1.98}[\text{Si}_{1.01}\text{O}_4]_3$,
biotite $\text{K}_{0.89}\text{Na}_{0.06}\text{Ca}_{0.02}(\text{Mg}_{0.42}\text{Fe}^{2+}_{1.76}\text{Fe}^{3+}_{0.24}\text{Ti}_{0.33}\text{Al}_{0.10})(\text{OH},\text{O})_2[\text{Al}_{1.20}\text{Si}_{2.80}\text{O}_{10}]$,
hornblende $\text{Na}_{0.45}\text{K}_{0.30}\text{Ca}_{1.53}(\text{Mg}_{1.27}\text{Fe}^{2+}_{2.75}\text{Fe}^{3+}_{0.78}\text{Ti}_{0.34}\text{Al}_{0.17})(\text{OH})_2[\text{Al}_{2.06}\text{Si}_{5.94}\text{O}_{22}]$.
For further considerations, the composition of the other minerals is assumed to follow the theoretical formulas. At present, it is generally recognized

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(Refs. 1, 3, 4) that gallium enters isomorphously into silicates for aluminum. It resembles the latter in ionic radius, ($\text{Ga}^{3+} = 0.62$, $\text{Al}^{3+} = 0.57$), in electronegativity ($\text{Ga} = 1.6$, $\text{Al} = 1.5$), and in some other properties. Therefore, it is interesting to consider the distribution of gallium and aluminum in this connection. Data are given in Table 4 for the following samples: 84 (biotite, orthoclase, hornblende), 34 A (Almandine), and 679 (muscovite). The results allow the following conclusions to be drawn: (1) Aluminum in stratified minerals (mica) is most easily replaced by gallium. These minerals are therefore gallium concentrators; this holds for other fields as well (Ref. 1). (2) Replacement largely depends on the coordination number of aluminum. Aluminum with the coordination number 4 is much more easily replaced by gallium than aluminum with the coordination number 6. The gallium/aluminum ratio in biotite having aluminum with the coordination number 4 is almost twice as high as in muscovite, where aluminum with the coordination number of 6 prevails. This peculiarity also explains the high gallium content in orthoclase compared with almandine, although orthoclase is poor in aluminum compared with almandine. This important isomorphism law of gallium is determined by its more acid properties (Refs. 2, 3,); the electronegativity of gallium is higher than that of aluminum ($X_{\text{Al}} = 1.5$). In this connection,

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Gallium distribution ...

gallium is, a link between aluminum and silicon ($X = 1.8$). This explains also its tendency toward entering into the "acid" silicate radicals, where aluminum replaces silicon in the oxygen tetrahedra. (3) The replacement of aluminum by gallium also takes place in oxides, e. g., in spinel, where the gallium content reaches 110 g/t (Table 2). (4) Not only aluminum but also iron is isomorphously replaced by gallium, e. g., in magnetite. Simultaneously, gallium lacks in pyrite, which is associated with gallium-containing magnetite (Table 2). This is probably due to the fact that gallium, owing to its similar valence and ionic radius, replaces mainly trivalent iron.
[Abstractor's note: Complete translation]. There are 4 tables and 4 references: 2 Soviet-blo. The two references to English-language publications read as follows: Ref. 3: W. S. Fife. Amer. Miner., 36, 7/8, 1951. Ref. 4: V. M. Goldschmidt, "Geochemistry", Oxford, Clarendon Press, 1954.

ASSOCIATION: Geologicheskiy institut Dal'nevostochnogo filiala Sibirskego otdeleniya AN SSSR, Vladivostok (Geological Institute of the Soviet Far East Branch of the Academy of Sciences USSR . Vladivostok)

Card 4/6

MARAKUSHEV, A.A.

Mineral equilibrium factors in metamorphism. Geol. i geofiz. no.4:
3-12 '61. (MIRA 14:5)

1. Dal'nevostochnyy geologicheskiy institut, Vladivostok.
(Mineralogical chemistry) (Metamorphism (Geology))

MARAKUSHEV, A.A.; POLIN, Yu.K.

Eclogitic crystalline schists in Pre-Cambrian metamorphic complexes and conditions governing their formation. Geol.i
geofiz. no.1:3-20 '62. (MIRA 15:4)

1. Geologicheskiy institut Dal'nevostochnogo filiala Sibirskogo
otdeleniya AM SSSR, Vladivostok.
(Aldan Plateau--Eclogite) (Korea, North--Eclogite)

MARAKUSHEV, A. A.; KIM MIN-SEB[Kim Min-sop]; KIM KHAK DZE[Kim Hak-chi]

Facies-paragenetic analysis of talc and phlogopite deposits
associated with Pre-Cambrian magnesium marbles in North Korea.
Zakonom. razm. polezna. iskop. 6:76-91 '62. (MIRA 16:6)

1. Dal'nevostochnyy geologicheskiy institut Sibirskego otdeleniya
AN SSSR i Akademiya nauk Koreyskoy Narodnoy Demokraticeskoy
Respubliki.

(Korea, North—Talc—Analysis)
(Korea, North—Phlogopite—Analysis)

A.A. MARAKUSHEV (USSR)

"The extremal states of some mineral equilibria in connection with geochemical environments of metamorphism and metasomatose."

Report presented at the Conference on Chemistry of the Earth's Crust,
Moscow, 14-19 Mar 63.

MARAKUSHEV, A.A.

Magnesian magnetite quartzite of the Archean metamorphic complexes
and the processes of their granitization. Soob. LVFAN SSSR
(MIRA 17:9)
no.19:3-7 '63.

1. Dal'nevostochnyy geologicheskiy institut dal'nevostochnogo
filiala Sibirskego otdeleniya AN SSSR.

MARAKUSHEV, A.A.

Effect of the oxidation potential and the alkalinity of
solutions on the formation of sulfides and iron oxides
under hydrothermal conditions. Geol. rud. mestorozh. 5
no.5:3-17 S-0 '63. (MIRA 16:11)

1. Dal'nevostochnyy filial Sibirskogo otdeleniya AN SSSR,
Vladivostok.

VASIL' KOVSKIY, N.P., doktor geol.-miner. nauk, red.; MARAKUSHEV,
A.A., kand. geol.-miner. nauk, red.

[Materials on the tectonics and petrology of the Pacific
ore belt] Materialy po tektonike i petrologii Tikhookean-
skogo rudnogo pona. Moskva, Nauka, 1964. 189 p.
(MIRA 18:2)

l. Akademiya nauk SSSR. Dal'nevostochnyy filial, Vladivostok.
Geologicheskiy institut.

MARAKUSHEV, A.A.

Analysis of scapolite paragenesis. Geol. rud. mestorosh. 5
no. 2:52-69 Mr-Ap '64. (MIRA 17:6)

1. Dal'nevostochnyy filial Sibirsksogo otdeleniya AN SSSR,
Vladivostok.

MARAKUSHEV, Aleksey Flegontovich, 1906-, U.S., akademik, otd.
V. V. KOLIN, f.P., ref.

[Problems of the mineral facies of metamorphic and metasomatic rocks] Iproblemy mineral'nykh faktsii metamorficheskikh i metasomaticheskikh gornykh porod. Moskva,
Nauka, 1965. 316 p. (MIA 19.11)

MARAKUSHEV, A.A.; TARARIN, I.A.

Mineralogical criteria of the alkalinity of granitoids. Izv.
AN SSSR. Ser. geol. 30 no.3;20-37 Mr '65. (MIRA 18;3)

l. Dal'nevostochnyy geologicheskiy institut Sibirskogo otdeleniya
AN SSSR, Vladivostok.

RYABCHIKOV, I.D.; KORZHINSKIY, D.S.; MARAKUSHEV, A.A.; LEBEDEV, A.P.

Reviews. Izv. AN SSSR. Ser. geol. 30 no. 10:144-157 O '65
(MIRA 18:12)

1. Institut geologii rudnykh mestorozhdeniy petrografii, mine a-
logii i geokhimii AN SSSR, Moskva (for Ryabchikov, Korzhinskiy,
Marakushev). Submitted Febr. 24, 1964.

MARAKUSHEV, A.A.; KUDRYAVTSEV, V.A.

Paragenesis of hypersthene with sillimanite and its petrological significance. Dokl. AN SSSR 164 no.1:179-182 S '65.

(MIRA 18:9)

1. Dal'nevostochnyy geologicheskiy institut Sibirs'kogo otdeleniya AN SSSR. Submitted September 2, 1964.

MARAKUSHEV, L., inzh.

Means of joining aluminum wires to copper ones. Zhil.-kom.khoz. 11
no.6:14-15 Je '61. (MIRA 14:7)
(Electric lines--Overhead)

MARAKUSHEV, L.N., inzh.

Conversion of a 6 kv. cable to 10 kv. operation. Nov.tekh,zhil.-kom.
khoz.: Elek. i tepl. gor. no.5:71-73 '61. (MIRA 18:9)

MARAKUSHEV, Ye.A.; OBLEZOV, A.I.; SAFRONOVA, I.V.; MINAYEVA, T.M.,
~~redaktor; NEKRASOVA, O.I., tekhnicheskiy redaktor~~

[The VM-50 embroidery machine] Vyshival'naia mashina VM-50.
Moskva, Gos. nauchno-tekh. izd-vo Ministerstva promyshlennyykh
tovarov shirokogo potrebleniia SSSR, 1954. 75 p. (MIRA 7:10)
(Embroidery (Machine))

MARAKUSHEV, Ye., kandidat tekhnicheskikh nauk.

Immediate prospects for the mechanization of the clothing industry.
Leg.prom.14 no.3:55-56 Mr '54. (MLRA 7:5)
(Clothing industry)

MARAKUSHEV, Ye.A., kandidat tekhnicheskikh nauk.

Warping of fabric during the process of stitching cotton padding.
Leg.prom. 14 no.11:25-29 N '54. (MLB 7:12)
(Sewing)

MARAKUSHEV, Ye. A.

CHERVYAKOV, Fedor Ivanovich; SUMAROKOV, Nikolay Vasil'yevich; RUSAKOV, S.I.,
kand.tekhn.nauk, retsenzent; MARAKUSHEV, Ye.A., kand.tekhn.nauk,
red.; KOCHETOVA, G.F., nauchnyy red.; EL'KIND, V.D., tekhn.red.

[Sewing machines] Shveiniye mashiny. Moskva, Gos.nauchno-tekhn.
izd-vo mashinostroit. lit-ry, 1957. 270 p. (MIRA 11:5)
(Sewing machines)

~~MARAKUSHIN, Yevgeniy Alekseyevich; KHARCHENKO, Nikolay Romanovich; SAFRONOVA,
Irina Vasil'yevna; CHAIKHUSH'YAN, L.F., red.; KNAKHE, M.T., tekhn.
red.~~

[TPP heavy pneumatic semiautomatic press] Tiashelyi pnevmaticheskii
press-poluavtomat TPP, Moskva, Gos. nauchno-tekhn. izd-vo lit-ry
po legkoi promyshl., 1958. 75 p. (MIRA 11:?)
(Pressing of garments--Equipment and supplies)

MARAKUSHEV, Ye.A.; OBLEZOV, A.I.; SAFRONOVA, I.V.; DUKHOVNYY, F.N..
red.; SHAPENKOVA, T.A., tekhn.red.

[High-speed PMZ class 97 seamer] Skorostnaya stachivaiushchaya
shveinaia mashina 97 klassa PMZ. Moskva, Gos.nauchno-tekhn.
izd-vo lit-ry po legkoi promyshlennosti, 1959. 69 p.

(MIRA 14:1)

(Sewing machines)

MARAKUSHEV, Yevgeniy Alekseyevich; OLEZOV, Aleksandr Ivanovich;
SAFRANOVA, Irina Vasil'yevna; GABOVA, D.M., red.; KOGAN, V.V..
tekhn.red.

[PMZ class 202 sewing machine for stitching the sleeve into the
armhole] Mashina 202 klassa PMZ dlia vtvachivaniia rukava v proimu.
Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po legkoi promyshl., 1959.
75 p.

(MIRA 13:11)

(Sewing machines)

RUSAKOV, Sergey Ivanovich; KARAKUSHEV, Ye. A., kand.tekhn.nauk, retsensent;
PLEMYANNIKOV, M.N., red.; KOGAN, V.V., tekhn.red.

[Technology of machine stitches and adjustment of sewing machines]
Tekhnologija mashinnykh steshkov i naladka shveinykh mashin.
Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po legkoi promyshl., 1959.
338 p. (MIRA 13:3)

(Sewing machines)

MARAKUSHEV, Ye.A., kand. tekhn. nauk

The most progressive methods have not been mentioned in the manual
("Manual on the mechanization of clothing manufacture." Reviewed by
E.A. Marakushev). Shvein. prem. no.1:34 Ja '59. (MIRA 12:6)
(Clothing industry—Equipment and supplies)

MARAKUSHEV, Yevgeniy Alekseyevich; OBLEZOV, Aleksandr Ivanovich; TARASOVA,
Vera Petrovna; GRACHEVA, A.V., red.; KNAKNIN, M.T., tekhn.red.

[PMZ class 86 sewing machine for blind-stitching of coat welting]
Shveinaia mashina 86 klassa PMZ dlia vspushki borta pidzhaka.
Moskva, Izd-vo nauchno-tekhn.lit-ry RSFSR, 1960. 73 p.

(MIRA 14:1)

(Sewing machines)

MARAKUSHEV, Ye.A.

Problems and means in re-equipping the clothing industry.
Shvein.prom. no.1:13-15 Ja-F '60. (MIRA 13:6)

1. Tsentral'nyy nauchno-issledovatel'skiy institut shveychnoy
promyshlennosti.
(Clothing industry--Equipment and supplies)

MARAKUSHEV, Ye.A., kand.tekhn.nauk

Mechanization and automation in the sewing industry. Mekh.i avtom.
proizv. 14 no.12:20-24 D '60. (MIRE 13;12)
(Sewing machines--Technological innovations) (Automation)

MARAKUSHEV, Yevgeniy Alekseyevich; DOLIN, Yevgeniy Aleksandrovich;
OBLEZOV, Aleksandr Ivanovich; GRACHEVA, A.V., red.; VINOGRADOVA,
G.A., tekhn. red.

[Class 85 sewing machine for hemming light fabrics developed by
the Podol'sk Machinery Plant] Shveinaia mashina 85 klassa PMZ
dlia podshivki tonkikh tkanei. Moskva, Izd-vo nauchno-tekhn.lit-
ry RSFSR, 1961. 54 p.
(Podol'sk--Sewing machines)

MARANUSHEV, Ye.A.; KUSNER, B.A.; SAFRONOVA, I.V.; TARASOVA, V.P.;
POPKOV, V.I., otv. red.; RUSAKOV, S.I., retsenzent;
PLEMYANNIKOV, M.N., red.; VINOGRADOVA, G.A., tekhn. red.

[Handbook for workers of the sewing industry] Spravochnik
shveinika. Moskva, Gos.izd-vo "Rostekhizdat," Vol.2. 1962. 299 p.
(MIRA 15:3)

(Sewing)

MARAKUEV, A. V.

21287 MARAKUEV, A. V. Teponimika kak geograficheskaya distsiplina eye zadachi I metodl. Trudy vtoroio vsesoyuz geogr s"ezda. T. Sh. M., 1949, S. 423-33.

SO: Letopis' Zhurnal'nykh Statey, No. 29, Moskva, 1949.

MARAKUYEV, A. V.

USSR/Geography - Conference

Jul/Aug 53

"Alma-Ata Conference of Geographers," Ye. M. Konobritskaya (reporter)

Iz Ak Nauk SSSR, Ser Geog, No 4, pp 111-112

Reports on the conference, held May 1953 in Alma-Ata, devoted to the study of the geography of Kazakhstan. N. V. Pavlov, Active Mem of Acad Sci Kaz SSR, presided over conference. Reports were presented by N. N. Pal'gov, G. G. Muravlev, V. Ya. Dvoskin, N. F. Samokhavlov, A. V. Marakuyev, Ye. M. Konobritskaya, V. I. Korovin, S. P. Kavetskiy, A. Zh. Mashanov, Corr Mem Acad Sci Kaz SSR, G. K. Kinkashpayev, and N. E. Grudzinskiy.

264T78

UDINTSEV, G.B.; LUNARSKIY, G.N.; MARAKUYEV, V.I.; BARINOV, L.G.;
SEDEL'NIKOV, V.N.

Use of the "Ladoga" phototelegraph apparatus for recording
depth measurements obtained with echo sounders. Okeanologiya
2 no.6:1093-1103 '62. (MIRA 17:2)

1. Institut okeanologii AN SSSR.

L 40078-66 EWT(d)/FSS-2/EWT(1) GW

ACC NR: AT6017048

SOURCE CODE: UR/2566/65/074/000/0033/0039

AUTHOR: Marakuyev, V. I.

33
B+1

ORG: none

TITLE: IOAN-6 television receiver¹⁰

SOURCE: *AN SSSR. Institut okeanologii. Trudy, v. 74, 1965. Elektronnyye pribory dlya okeanologicheskikh issledovaniy (Electronic instruments for oceanological research), 33-39

TOPIC TAGS: TV receiver, underwater photography, oceanographic equipment / IOAN-6 television receiver¹⁰

ABSTRACT: An underwater television receiver and its application in geophysical and biological research is discussed. The instrument consists of an 800 m waterproof cable, transmitting camera, light reflectors, contact cable hoist and a receiver with a control panel of the transmitting camera. Image signals are transmitted at the video frequency. The high sensitivity of the receiving tube used in the transmitting camera makes it possible to use a 200 w illuminator. The incoming images are analyzed by a progressive developer. The parameters of the developer--400 lines per frame with 50 cps for each frame--ensure good quality images and reduce the number of vacuum tubes previously used. A schematic diagram of the entire system is shown and its method of

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ACC NR: AT6017048

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operation is explained. Underwater operation in the daytime is possible without an artificial light source down to 70 meters. During operation at the bottom of the sea, the camera can be located 1.5 to 2 meters from the bottom of the sea. Orig. art. has: 5 figures.

SUB CODE: 17,08/ SUBM DATE: none/ ORIG REF: 002

Card 2/2 11b

ACC NR: AT6017049

(N)

SOURCE CODE: UR/2566/65/074/000/0040/0046
41
31AUTHOR: Marakuyev, V. I.

ORG: none

TITLE: The cables for deep-water television and the particulars of their useSOURCE: AN SSSR. Institut okeanologii. Trudy, v. 74, 1965. Elektronnye pribory dlya
okeanologicheskikh issledovaniy (Electronic instruments for oceanological research),
40-46TOPIC TAGS: coaxial cable, underwater communication, underwater photography / TKPG-31
cable, TKPU-33 cable, KOB-4 cableABSTRACT: Three cables (TKPG-31, TKPU-33 and KOB-4) are considered and their characteristics and applications are discussed. The cross sections of the cables are shown and their parameters and frequency characteristics are tabulated. Cable TKPG-31 consists of three coaxial cables with 28 resin-filled service strands enclosed in steel braid shield and vinyl chloride and polyethylene ¹⁴insulators.¹⁵ This cable is used in depths down to 400 m. Its temperature range is small because the insulating material becomes stiff and brittle at low temperatures.¹⁶ Cable TKPU-33 consists of one coaxial cable and 37 service strands enclosed in a resin insulator. This cable is used to depths of 800 m with 10 db attenuation. The third cable consists of one coaxial cable

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ACC NR: AT6017049

enclosed in double steel braid and a resin insulator. This cable is very strong and its diameter is considerably small, but its attenuation of the video signal exceeds the limits set for television. Its frequency characteristic can be improved by replacing its resin insulation by polyethylene insulation and by removing the steel strands from the central cable. Orig. art. has: 3 figures, 1 table.

SUB CODE: 13,17,08/ SUBM DATE: none/ ORIG REF: 003

Card 2/2 11b

MARAKUYEVA, N. A.

MARAKUYEVA, N. A.--"A Study of Changes in the More Important Physicomechanical Properties of Electroceramic Objects during Their Firing (Up to the Temperature of Sintering)." Min Higher Education USSR. Moscow Order of Lenin Chemicotechnological Inst imeni D. I. Mendeleyev. Moscow, 1955. (Dissertation for the Degree of Candidate in Technical Science)

SO Knizhanay letopis'
No 2, 1956

DUDEROV, G.N.; MARAKUYEVA, N.A.

Determining torsional deflections in the samples of the sintering
ceramic mass during firing. Trudy MKHTI no.27:205-214 '59.
(MIRA 15:6)
(Ceramic materials)

S/080/61/034/003/001/017
A057/A129

AUTHORS: Budnikov, P. P., Marakuyeva, N. A., Tresvyatskiy, S. G.

TITLE: Effect of the composition of the binder on properties of mixes in hot-casting of ceramic products

PERIODICAL: Zhurnal prikladnoy khimii, v. 34, no. 3, 1961, 492-497

TEXT: The effect of the composition and amount of the binder on rheologic properties of alumina-containing ceramic mixes on paraffin-wax-stearin base binders with oleic acid admixtures was investigated. The quality of hot-cast ceramic products used in electro- and radio-ceramics and refractory materials depends on the cast mixes, which represent thermoplastic suspensions of a ceramic material in the binder. For the latter various thermoplastic organic materials with low melting point were used (paraffin, paraffin mixtures with wax or stearin, and oleic acid admixtures etc.). Studying the structural viscosity for rate gradients until $80 - 100 \text{ sec}^{-1}$ and the casting ability of mixes furnished on fine-grade skeletons (mean grain diameter 1.5μ) and paraffin-wax-stearin binders with oleic acid admixture, abnormal viscosity, i.e., thixotropy in stearin and paraffin-stearin mixes and dilatation in wax and paraffin-wax mixes was observed. In

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Effect of the composition of the binder ...

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A057 .29

casting under pressure of 2-8 atm. mixes with a binder containing 85% paraffin, 12% stearin and 3% oleic acid had, due to thixotropy, a more than 1.5 times higher fluidity than the other mixes investigated. The last-mentioned composition of the binder is also recommended for casts with greater height (400 - 500 mm). The strength of casts containing 15% stearin in the binder is 20% lower in comparison to casts with a binder containing 15% wax. The present study on the important effect of composition of the binder on properties of mixes was made since few data are published in the literature related to this question, and no information at all is published on properties of fine-grade mixes ($1 - 1.5 \mu$). In some investigations, as published by P. O. Gribovskiy (Ref. 1: Goryacheye lit'ye keramicheskikh izdeliy [Hot casting of ceramic products], Gosenergoizdat, M. [1956]), viscosity was determined with an Engler viscosimeter and thus abnormal changes in viscosity of highly concentrated suspension effected by changes in pressure were not observed. As structure-forming agent in the present investigations "koraks" N = 320 ground with water for 6 hours in a vibration mill was used. The grain size of the powder was determined turbidimetrically and was found to be: $50 - 40\mu$ 5%, $40 - 30\mu$ 4%, $30 - 20\mu$ 11%, $20 - 10\mu$ 21%, $10 - 5\mu$ 25%, below 5μ 34%. Specific surface of the powder was $1.05 \text{ m}^2/\text{g}$, i.e., the mean grain diameter was about 1.5μ determined by the method of diluted air

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Effect of the composition of the binder ...

filtration described by B. V. Deryagin et al. (Ref. 5: Opredeleniye vneshney udel'noy poverkhnosti poristykh tel po metodu filtratsii razrezhennogo vozdukh (Determination of the external specific surface of porous materials by the method of filtration of diluted air), Izd. AN SSSR, M. (1958)). Homogenized paraffin was used as binder (melting point 53°C), natural wax (softening point 48-52°C), and stearin (melting point 56°C). The latter was of the commercial grade and contained stearic, palmitic and oleic acid. Viscosity of the mixes was determined by a rotating viscosimeter (with inner rotating cylinder) of the Volarovich system (Ref. 6: Tr. Poligraph. inst. OGIZ [1937]), and the structural viscosity η , shear stress τ , and rate gradient D were calculated from corresponding formulae. Fluidity for casting conditions under pressure (2-10 atm), i.e., for rate gradients thousand times higher than measurable on the Volarich viscosimeter, was estimated by measuring the filling depth of a spiral-shaped cavity (4 x 4 mm) with the mix at 2, 4, 6, 8, and 10 atm. The strength of the casts was determined by torsion tests on rod-shaped test samples. Fluidity curves (Fig. 1) of mixes with 29 vol% binder show an abnormal character. The paraffin-base mix is similar to a Bingham system and near to a Newton's liquid, while the wax-base mix shows dilatation, i. e., an increase in the rate gradient effects an increase in structural viscosity. The stearin-base mix shows thixotropy. The effect of shear

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A057/A129

Effect of the composition of the binder ...

stress on structural viscosity of paraffin-, wax-, and stearin-base mixes is shown in Table 1. Curves on the effect of pressure on structural viscosity for mixes containing 8.5% of a two-component binder demonstrate a similar character of paraffin-wax-base and wax-base mixes, i.e., increase in structural viscosity with pressure. Paraffin-base mixes, on the other hand, are like stearin-base mixes showing thixotropy, i.e., decreased in structural viscosity with increasing pressure. This property is convenient for pressure casting. Curves on the effect of the composition of the binder on structural viscosity (Fig. 4) show for paraffin-wax base mixes a minimum at 25% wax content in the binder. Structural viscosity of paraffin-stearin-base mixes increases with the stearin content in the binder for a pressure range until 16,000 dyne/cm² (Fig. 4). Structural strength of casts decreases by adding stearin to paraffin-base binders. The optimum composition for pressure casting was found to be 85% paraffin and 15% stearin binders. The greatest strength is observed in casts based on paraffin-wax binders. Surface-active oleic acid decreases the structural strength, but has a positive effect on the fluidity of the mix. Optimum amount of oleic acid admixture is 3 weight % of the binder. Curves obtained for the casting ability of mixes under pressure (2-8 atm), estimated by the cavity-filling test, are linear and indicate that stearin-containing mixes have a much higher casting

Card 4/7

S/080/61/034/003/001/017
A057/A129

Effect of the composition of the binder ...

ability than paraffin- or paraffin-wax-base mixes in spite of the higher viscosity of stearin-base mixes measured on the viscosimeter. Thus it can be stated that structural viscosity data are insufficient for the selection of optimum composition if obtained only at small rate gradients. Also Engler's viscosimeter is not convenient for estimations of the quality of cast mixes. There are 7 figures, 2 tables and 6 references: 4 Soviet-bloc and 2 non-Soviet-bloc.

SUBMITTED: September 30, 1960

Table 1: Values for the structural viscosity of mixes at 80°C:

Type of binder in the mix	viscosity (poise) at shear stress ('in dyne/cm ²)			
	2,000	6,000	10,000	12,000
Paraffin	75	60	60	-
Wax	127	145	155	157
Stearin	3,000	1,080	520	320

Card 5/7

ACC NR: AP7009563

SOURCE CODE: UR/0144/66/000/011/1254/1260

AUTHOR: Dalakishvili, O. N.; Marakvelidze, M. A.; Gol'dbaum, M. I.

ORG: none

TITLE: Analysis of a ferromagnetic core printed armature winding

SOURCE: IVUZ.. Elektromekhanika, no. 11, 1966, 1254-1260

TOPIC TAGS: ferromagnetic material, armature, electric motor

SUB CODE: 09

ABSTRACT: The primary elements in the methodology of designing an armature with a printed winding based on a ferromagnetic core are presented. Data used as the basis for design are the following motor parameters: shaft power, voltage available, nominal motor operating speed and efficiency. The method presented was used in designing power motors with ferromagnetic core printed windings of 500 and 750 watts power. The results of testing showed good correspondence between calculated and experimental values. Orig. art. has: 2 figures, 39 formulas and 1 table. [JPRS: 39,960]

UDC: 621.3.045+621.317.442

0930 1088

Card 1/1

Maralin, G. A.

LOZOVSKIY, L.Kh., inzh.; MARALIN, G.A., inzh.; MARINSKIY, S.F., inzh.;
SIROTKIN, Ye.A., inzh.

Efficient method of unloading fuel and transport facilities for
use with dump cars in electric power plants. Elek.sta. 28
no.10:10-12 '57.
(Electric power plants) (Fuel--Transportation)
(MIRA 10:11)

MARALIN, Georgiy Aleksandrovich; SAVCHENKO, L.Ya., red.; SYURUGOV,
V.G., tekhn.red.

[Saving of electric power in the operational needs of a
thermal electric power plant] Ekonomika elektroenergii na
sobstvennye nuzhdy teplovoi elektrostantsii. Kiev, Gos.izd-vo
tekhn.lit-ry USSR, 1961. 91 p. (MIRA 15:2)
(Electric power plants--Management)

MARALIN, G.A.

Concise analysis of the technical and economic indices of block-type power plants with K-200-130 turbines. Energ. i elekrotekh.
prom. no.l:48-50 Ja-Mr '63. (MIRA 16:5)
(Electric power plants)

MARALIN, G.A., inzh.

Increase of labor productivity in the electric power plants of
the Ukrainian S.S.R. Energ. i elektrotekh. prom. no.4:3-7 O-D
'63. (MIRA 17:10)

MARALIN, G.A., insh.

Hidden potentials in decreasing the unit expenditures of fuel
in the generation of electric power. Energ. i elekrotekh. prom.
no.4:40-42 O-D '64. (MIRA 18:3)

MARALIN, G.A., inzh.

Effect of the auxiliary equipment on power expenditure for
self-needs in electric power plants in the Ukrainian S.S.R.
Energ. i elektrotekh. prom. no.4:51-54 O-D '65.
(MIRA 19:1)

KRUTIKOVA, V.Ye., kand.tekhn.nauk; MARALIN, V.G., inzh.; SIN'KOV, V.M.
kand.tekhn.nauk

Effect of errors in determining the relative increments of fuel
overconsumption. Elek.sta. 31 no.2:34-37 F '60.
(MIRA 13:5)

(Electric power plants)

ACCESSION NR: AP4042955

S/0102/64/000/004/0037/0048

AUTHOR: Doly*ns'ka, N. O. (Dolinskaya, N. A.) (Kiev); Maralin, V. G. (Kiev); Sobornikov, Yu. P. (Kiev); Yany*k, A. F. (Yanik, A. F.) (Kiev)

TITLE: High-frequency pumping systems in parametron digital computers

SOURCE: Avtomaty*ka, no. 4, 1964, 37-48

TOPIC TAGS: digital computer, parametron, parametron digital computer, industrial digital computer

ABSTRACT: A 3-cycle pumping system is considered which permits synthesizing industrial digital computers with parametrons operating at an excitation frequency 4-30 Mc, with 20-30 oscillations per packet (clock frequencies, 100-500 kc). Hard-closed self-synchronizing and ring 3-phase relaxation-oscillator schemes for 3-cycle semiconductor submodulators are described, as well as mixed and purely semiconductor h-f supply schemes which have a pulse-amplitude pumping

Card 1/2

ACCESSION NR: AP4042955

modulation in the power-amplifier output stage. Schemes of (a) directional switching of C-parameters by pulse-biasing the operating point and (b) transistor switching of the pumping voltage are discussed. Orig. art. has: 8 figures, 8 formulas, and 2 tables.

ASSOCIATION: none

SUBMITTED: 12Feb63

ENCL: 00

SUB CODE: DP

NO REF SOV: 003

OTHER: 002

Card 2/2

RABINOVICH, I.M.; KRICHÉVER, I.S.; KALINCHEV, E.L.; MARAM, Ye.I.

New "TP-32" model molding machine. Plast.massy no.8:50-51 '62.
(MIRA 15:7)
(Plastics machinery)

MITROFANOV, V.P.; SOLOV'YEV, D.T.; MARAMOKHIN, I.I.

Testing the film vacuum apparatus with continuous action.
Sakh. prom. 37 no. 5:61-66 My '63. (MIRA 16:6)

1. Moskovskiy tekhnologicheskiy institut pishchevoy promyslennosti (for Mitrofanov).
2. TSentral'nyy nauchno-issledovatel'skiy institut krakhmalo-patochnoy promyshlennosti (for Solov'yev).
3. Yaroslavskiy krakhmalo-patochnyy kombinat (for Maramokhin).
(Evaporating appliances—Testing)
(Molasses)

BELINSKIY, S.F.; MARAMOKHIN, I.I.

Work of the Yaroslavl Starch and Molasses Combine during 1962.
Sakhi.prom. 37 no.6:72-74 Je '63. (MIRA 16:5)

1. Yaroslavskiy krakhmalo-patochnyy kombinat.
(Yaroslavl--Starch) (Yaroslavl--Molasses)

OLAH, D.:MARAMAROSI, G.

Experimental research on antimycotics. Kiserletes orvostud. 4 no.
4:288-291 Aug 1952. (CIML 23:5)

1. Doctors. 2. National Medical Mycology Research Station and Skin
and Venereal Diseases Clinic of Debrecen Medical University.

OLAH, D.; MARAMAROSI, G.

Seberrhea sicca on hair simulating clinical symptoms of piedra
and lepto tricosis. Borgyogy. vener. szemle 6 no. 5:136-138 Oct
1952. (CLML 24:1)

1. Doctors. 2. National Medical Mycology Research Station (Head
--- Prof. Dr. Daniel Olah) and Dermatological Clinic (Director -- Prof.
Dr. Lajos Szodoray), Debrecen Medical University.

MARAZEROSI, Gyorgy, dr.

Trichophytia blepharociliaris. Borgyogy. vener. szemle 7 no.6:
192-193 Nov 53.

1. A debreceni Orvostudomanyi Egyetem Bor- es Nemikortani Klinika
(igazgato: Szodoray Lajos dr. egyetemi tanar) es az Orszagos
Orvos-Mykologial Kutato Allomas (Vezeto: Olah Daniel dr. egyetemi
tanar) kozleménye

(RINGWORM
eyelids (Hun))
(EYELIDS, diseases
ringworm (Hun))

KARANAROSI, GY., OLAH, B., TUZA, K.

"Some fungus skin and hair diseases caused by animals. p. 19C."
(NEPEGESZSEGUGY, Vol. 34, no. 7, July 1953, Budapest, Hungary.)

SO: East European, L. C. Vol. 2, No. 12, Dec. 1953

MARAROSI, G.; CLAH, D.; TUZA, K.

Relating the generalized form of infantile erythema mycoticum to Leiner disease. Orv. hetil. 94 no.14:371-376 5 Apr 1953. (CIML 24:4)

1. Doctors. 2. Skin and Venereal Diseases Clinic (Director -- Prof. Dr. Lajos Szodoray), Debrecen Medical University and the National Medical Mycology Station (Head -- Prof. Dr. Daniel Olah).

PIRITYI, Karoly.; MARAMAROSI, Gyorgy.

Trichophytia blepharoceliaris. Szemeszet 91 no.3:129-132 Aug 54.

1.A debreceni Orvostudomanyi Egyetem Szemeszeti klinika (Igazgato:
Kettesy Aladar egyetemi tanar, az orvostudomanyok doktora)
Bor- es Nemikortani klinika (Igazgato: Szodoray Lajos egyetemi tanar
az orvostudomanyok kandidatusa) es az Orszagos Orvos-Kykologial
kutato Allomas (Vezeto: Olah Daniel egyetemi tanar, az orvostudomanyok
kandidatusa) kozlemenye.

(RINGWORM,
blepharo-ciliary, caused by Trichophyton)
(EYELIDS, diseases,
Trichophyton infect., blepharo-ciliary)

Maramarosi, Gyorgy Dr
MARAMAROSI, Gyorgy, Dr.; NABY, Endre, Dr.

Capillaroscopic examinations in scleroderma. Borgyogy. vener. szemle
11 no.5:195-198 Oct 57.

l. A debreceni Orvostudomanyegyetem Bor- es Nemikortani klinikajának
(igazgató: Szodoray Lajos dr. egyetemi tanár) közleménye.

(SCLERODERMA, pathol.

capillaries, capillaroscopy in diffuse & circumscribed
scleroderma (Hun))

(CAPILLARIES, pathol.

in circumscribed & diffuse scleroderma, capillaroscopy (Hun))

MÁRÁMÁROSI G.
EXCERPTA MEDICA Sec 13 Vol 13/3 Dermatology Mar 59

813. THE TREATMENT OF PSORIASIS WITH AMINOPTERIN - Psoriasis
kezelése aminopterinrel - Márámosi G. and Szondi G. Debreceni
Orvostud. Egyet. Bőr- és Nélikortani Klin. Közl., Debrecen - BÖRGYÖGY.

VENER. SZLE 1957, 33/5 (185-190) Illus. 7

Eighteen patients were treated. There was a clear influence on acanthosis and
parakeratosis. Tijdens - Maastricht

MÁRAMAROSI G.

EXCERPTA MEDICA Sec 13 Vol 13/2 Dermatology Feb 59

639. CAPILLARY MICROSCOPIC EXAMINATIONS OF PATIENTS WITH SCLE-
RODERMIA - Kapillarmikroskopos vizsgálatok sclerodermás betegeken -
Máramarosi G. and Nagy E. Debreceni Orvostud. Bőr- és Nemi-
körtani Klin. KÖZL., Debrecen - BÖRGYÓGY. VENER. SZLE 1957, 33/5
(195-198) Tables 1 Illus. 3

Ten patients with the diffuse form and seven patients with the circumscribed form
of scleroderma were examined. The authors are of the opinion that the vascular
changes in the diffuse form are organic and those in the circumscribed form are
psychogenous.

Tijdens - Maastricht

ZAYKOV, M.A.; TSELUYKOV, V.S.; KAMINSKIY, D.M.; DADOCHKIN, N.V.; LAR'KINA, F.G.; MESHCHERYAKOV, P.A.; Prinimali uchastiye: PERMYAKOV, V.M.; MERKUTOV, V.N.; PROKOP'YEV, KAFNAOV, M.P.; MARAMYGIN, G.F.; ZHURAVLEV, M.A.; MARININ, P.G.; NASIPUDIN, A.S.; MANCHEVSKIY, I.V.; PEIYAVSKIY, M.A.; SERGEYEV, V.V.; CHVANOV, L.K.; KOBYLEV, V.K.; KUCHKO, I.I.; MIRENSKIY, M.L.

Pressure of the metal on rolls in rolling carbon and alloyed steels
on a three-high billet mill. Izv. vys. ucheb. zav.: chern. met. 4
no.8:78-83 '61. (MIRn 14:9)

1. Sibirskiy metallurgicheskiy institut.
(Rolling mills)

ZAYKOV, M.A.; TSELUYKOV, V.S.; KAMINSKIY, D.M.; DADOKHIN, N.V.;
MEZHCHERYAKOV, P.A.; MARININ, P.G.; MIRENSKIY, M.L.; PROKOP'YEV,
A.V.; OVCHINNIKOVA, R.F.; Prinimali uchastiye; BELYAVSKIY, M.A.;
KAFTANOV, M.P.; KUCHKO, I.I.; LAR'KINA, F.Ye.; MANCHEVSKIY, I.V.;
MARAMYGIN, G.F.; MERKUTOV, V.N.; NASIBULIN, A.S.; NEFEDOV, M.K.;
PERMYAKOV, V.M.; CHELYSHEV, N.A.; CHVANOV, L.K.

Investigating conditions of rolling on three-high billet mills.
Izvy vys. ucheb. zav.; chern. met. 6 no.10:74-83 '63.

(MIRA 16:12)

1. Sibirskiy metallurgicheskiy institut i Kuznetskiy metallurgicheskiy
kombinat.

MARSHALINA, G.I.

110

PHASE I BOOK EXPLOITATION

SOV/6181

Ural'skoye soveshchaniye po spektroskopii. 3d, Sverdlovsk, 1960.
Materialy (Materials of the Third Ural Conference on Spectroscopy) Sverdlovsk, Metalurgizdat, 1962. 197 p. Errata slip inserted. 3000 copies printed.

Sponsoring Agencies: Institut fiziki metallov Akademii nauk SSSR. Komissiya po spektroskopii; and Ural'skiy dom tekhniki VSNTO.

Eds. (Title page): G. P. Skornyakov, A. B. Shayevich, and S. G. Bogomolov; Ed.: Gennadiy Pavlovich Skornyakov; Ed. of Publishing House: M. L. Kryzhova; Tech. Ed.: N. T. Mal'kova.

PURPOSE: The book, a collection of articles, is intended for staff members of spectral analysis laboratories in industry and scientific research organizations, as well as for students of related disciplines and for technologists utilizing analytical results.

Card 1/15

110

Materials of the Third Ural Conference (Cont.)

80V/6181

COVERAGE: The collection presents theoretical and practical problems of the application of atomic and molecular spectral analysis in controlling the chemical composition of various materials in ferrous and nonferrous metallurgy, geology, chemical industry, and medicine. The authors express their thanks to G. V. Chentsova for help in preparing the materials for the press. References follow the individual articles.

TABLE OF CONTENTS:

Foreword

3

PART I

Sherstkov, Yu. A., and L. F. Maksimovskiy. Investigation of the dependence of the total intensity of spectral lines on the concentration of elements in an arc-discharge plasma 4

Card 2/15

Materials of the Third Ural Conference (Cont.)

SOV/6181

Buravlev, Yu. M., M. A. Perepelkina, G. P. Neuymina, and
G. I. Maramygina. Investigation of the effect of
structure on the results of spectral analyses of cast
iron

62

Bobrov, V. A., Ye. N. Chernoguz, and T. N. Yaroslavova.
Application of "fractional exposure" method for spectral
analysis of alloy cast irons and aluminum alloys

66

Matyugina, I. V. Spectral analysis of silicon brasses by
the calculated graph method

67

Obukhova, Ye. S., and N. K. Rudnevskiy. Application of
electrotransfer in plotting calibration graphs according
to a single standard in the spectral analysis of alloys

68

Taganov, K. I. Spectroscopic investigation of features of
contact-electrospark erosion of metals and alloys

70

Card 6/15

VASSERMAN, I.M.; YEVDOKIMOVA, M.I.; MARAMZIN, A.I.; MIOSLAVSKIY, A.S.;
TOLSTOGUZOV, A.D.; FOMINA, Ye.A.

Continuous method of precipitating basic nickel carbonate
with complex automation of the process. TSvet. met. 37 no.12:
25-31 D '64 (MIRA 18:2)

PHASE I Treasure Island Bibliographic Report

Sig Cen
00000080

BOOK

Call No.: TN871.M37

Authors: MARAZIN, A.V. and YERMOLAEV, V.M.

Full Title: FOREMAN OF STRUCTURAL WELL DRILLING

Transliterated Title: Master strukturnogo bureniia

Publishing Data

Originating Agency: None.

Publishing House: State Scientific-Technical Publishing House of Oil and Mineral
Fuel Literature. Leningrad Branch. (Gostoptekhizdat)

Date: 1952. No. pp.: 318 No. copies: 7,000

Editorial Staff

Editor: Gridin, V.K.

Technical Editor: None.

Editor-in-Chief: Perminov, S.V.

Appraiser: None.

Text Data

Coverage: The book contains elementary data on geological structures, construction of derricks, arrangement of equipment, types and quality of drilling tools, and characteristics of various materials (metals, lubricants, transmission belts and transmission cables, cement, lumber, etc.) used in well drilling. The practical methods of drilling wells for geological surveys (mapping), structural, and prospecting drilling are described; also, methods of computing simple work problems and rates of drilling through various strata.

Purpose: A textbook for well drilling foremen and personnel engaged in surveying and prospecting.

Facilities: None.

No. Russian References: 11.

Available: Library of Congress.

YEMOLAYEV, V.M.; MARAMZIN, A.V.; KOVALEVA, A.A., inzhener, vedushchiy
redaktor; POLOSTINA, A.S., tekhnicheskiy redaktor.

[Structural boring; practical manual for workmen] Strukturnoe
burenie; prakticheskoe posobie dlia rabochikh. Moskva, Gos.
nauchno-tekhn. izd-vo neftianoi i gorno-toplivnoi lit-ry, 1954.
138 p. (MLRA 8:1)

(Boring)

MARAMZIN, A.V.

ANTONOV, N.P.; KULLE, P.A.; MARAMZIN, A.V.; UTKIN, I.A.; VITTORF, M.V.,
redaktor; MOLOKOVA, Ye.I., vedushchiy redaktor; SOKOLOVA, Ye.V.,
tekhnicheskiy redaktor

[Exploratory drilling with the ZIF-300 drilling unit; practical
manual] Razvedochnoe burenie stankami ZIF-300; prakticheskoe
rukovodstvo. Leningrad, Gos. nauchno-tekhn. izd-vo neftianoi i
gorno-toplivnoi lit-ry, 1954. 221 p. (MLRA 7:9)
(Boring machinery)

MARAZIN, Aleksandr Vasili'yevich; YERMOLAEV, Vasiliy Mikhaylovich;
VITOV, N.V., redaktor; PERMINOV, S.V., redaktor; GENNAD'YEVA,
I.M., tekhnicheskiy redaktor

[Drilling structural and exploratory wells] Burenie strukturno-
poiskovykh skvazhin. Leningrad, Gos.nauchno-tekhn. izd-vo neftia-
noi i gorno-toplivnoi lit-ry, 1955. 363 p. (MIRA 9:3)
(Boring machinery) (Oil well drilling)

11(4)

PHASE I BOOK EXPLOITATION SOV/2553

Maramzin, Aleksandr Vasil'yevich

Bureniye skvazhin v usloviyakh Kraynego Severa; v mnogoletney
merzloty. (Oil Well Drilling in the Far North; Under
Permafrost Conditions) Leningrad, Gostoptekhizdat, 1959.
209 p. Errata slip inserted. 2,000 copies printed.

Scientific Ed.: F.A. Shamshev; Exec. Ed.: I.V. Barkovskiy;
Tech. Ed.: A.B. Yashchurzhinskaya.

PURPOSE: This book is intended for drillers and oil technicians
working in frozen ground regions. It can also be used in
tekhnikums as a textbook on drilling.

COVERAGE: The book reviews the basic principles, methods, and
techniques of core and deep well rotary drilling in Far
North permafrost regions. The author describes experience
gained in the Ust'Yenisey region and at the Nordvik, Mys
Il'ya Kozhevnikovo, Malaya Kheta, and Yuzhnyy Tigyan deposits.

Card 1/5

Oil Well Drilling in the Far North (Cont.)

SOV/2553

The organization of drilling operations, drilling practices and special techniques are dealt with in detail. The author describes the lighting and heating systems of drilling rig derricks and living quarters used during the polar night. Special problems of perforating frozen rocks, cementing boreholes, preventing and eliminating breakdowns of drilling tools under permafrost conditions are also dealt with. The author thanks Professor I.A. Utkin, Doctor of Technical Sciences; Professor F.A. Shamshev, Doctor of Technical Sciences; Professor N.A. Gedroyts, Doctor of Geological and Mineralogical Sciences; Docent B.S. Filatov; and N.N. Lapina, Candidate of Geological and Mineralogical Sciences. There are 14 Soviet references.

TABLE OF CONTENTS:

Introduction	3
Ch. I. Special Conditions Under Which Drilling Operations Are Organized and Carried Out in Regions of Prevailing Permafrost	5
1. Brief characteristics of frozen rocks	5

Card 2/5

MARAMZIN, A.V.; KIRSANOV, A.I.; ILLARIONOVA, T.M.; YEFIMOV, Z.N.

Temperature conditions of a shaft during air drilling in frozen
ground. Trudy VITR no.3:70-84 '61. (MIRA 15:7)
(Boring---Cold weather conditions)
(Frozen ground)

MARAMZIN, A.V.

Technological principles in drilling prospecting holes under
permafrost conditions. Trudy VITR no.5:5-31 '62. (MIRA 15:9)
(Frozen ground) (Boring--Cold weather operations)

MARAMZIN, Aleksandr Vasil'yevich; KRYZHANOVSKIY, V.A., red.izd-va;
IVANOVA, A.G., tekhn. red.

[Boring holes in frozen rock for the purpose of geological
prospecting] Opyt bureniiia geologorazvedochnykh skvazhin v
merzlykh porodakh. Moskva, Gosgeoltekhnizdat, 1963. 71 p.
(MIRA 16:9)

(Boring)

MARAMZIN, A.V., kand. tekhn. nauk; UTKIN, I.A., doktor tekhn. nauk prof., nauchn. red.; RAGINA, G.M., red.

[Drilling boreholes in perennially frozen ground; methods handbook] Urenie skvazhin v mnogoletnei merzloite; metodicheskoe rukovodstvo. Leningrad, Gostoptekhizdat, 1963.
287 p.

(MIRA 17:4)

MARAZIN, Aleksandr Vasil'yevich; YERMOLAYEV, Vasiliy Mikhaylovich
[deceased]; SHEVISOVA, E.M., ved. red.

[Boring structural prospecting holes] Burenie strukturno-
poiskovykh skvazhin. Izd.2., isp. i dop. Leningrad, Ned-
ra, 1964. 390 p. (MIRA 17:9)

ASTASHEVA, T.N.; SOLOMONOV, Sh.M.; MARAMZIN, B., red.

[Towards new millions of canned food products] Za novye
milliony banok konservov. Dushanbe, Tadzhikgosizdat,
1962. 26 p. (MIRA 17:11)

ASHUROV, A.; OTAYEV, T.; MARAMZIN, B., red.

[Handbook on machining on lathes] Spravochnik po tokarnomu
delu. Dushanbe, Tadzhikgosizdat, 1963. 129 p.
(MIRA 18:12)

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R001032220005-6

MARAN, BOHUSLAV

DECEASED

(1963/4)

FORESTRY

(1963)

APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R001032220005-6"

LHOTA, Otakar, inz. dr., doktor zemedelskych ved; MARAN, Bohuslav,
doc., inz. dr., doktor zemedelskych ved

New method of simultaneous measurement of evaporation from
soil and plant transpiration. Rost výroba 9 no. 12:1259-1274
D '63.

1. Vyzkumny ustav melioraci, Praha.

KOVAL'CHUK, Grigoriy Petrovich; MAMZIN, B., red.; KHODZHAYEV, K.,
tekhn. red.

[For profitable work in construction] Za rentabel'nuiu ra-
botu v stroitel'stve. Dushanbe, Tadzhikgosizdat, 1963. 38 p.
(MIRA 17:2)

1. Nachal'nik Stroitel'nogo upravleniya No.16 tresta
"Dushanbestroy" , Dushanbe Tadzhikistan (for Koval'chuk).

SPERANSKIY, G.N., prof.; RYSKINA, Ye.B., kand. med. nauk;
MARAMZIN, B., red.; KHODZHAYEV, K., tekhn. red.

[Nutrition regimen for the child] O rezhime pitaniia
rebenka. Dushanbe, Tadzhikgosizdat, 1963. 28 p.
(MIRA 17:2)

MARAN, B., dr., laureat statni ceny; KABELACOVA, E.

Degree of pollution of agricultural crops by fly ash, and
changes in their chemical structure. Rost výroba 9 no.9:
967-980 3'63.

1. Vyzkumny ustav melioraci, Praha.

MARHN, FRANTISEK

✓ 11225* Pouring of Steel Steam Chests for Turbines. Odlévání
ocelových skříní pro parci turbiny. (Czech.) František
Marhn. Sládeček, v. 4, no. 5, May 1950, p. 154-155.
Chromium-vanadium-tungsten steel is satisfactory from the
point of view of mechanical properties. Atmospheric risers are
used to increase the metal yield. Photographs, tables, diagram
5 ref.

of

MARAN, F.

"Production of large castings with 13 percent chromium steel." P. 175.

SLEVARENSTVI. (Ministerstvo tezkeho strojirenstvi a Ceskoslovenska vedecka technicka spolecnost pro hutnictvi a slevarenstvi). Praha, Czechoslovakia, Vol. 7, No. 5, May 1959.

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 8,
August 1959.
Uncla.

MRAK, J.

"A Contribution To The Knowledge Of The Geographical Distribution Of New And Little-Known Forms Of The Species Procrustes Coriaceus L. (Coleoptera, Carabidae). In English." p. 1. (Sbornik. Acta Entomologica. Vol. 26, No. 368, 1948-50, Praha)

80: Locality List - last sentence, page 190, Volume of 3, page 1, line 1, 1948.

MARAN, J.

"Results Of The Scientific Zoological Expedition Of The National Museum In
Prague To Turkey. Pt. 6. Coleoptera. I. Carabidae-Carabinae. In English."
p. 1. (Sbornik Acta Entomologica. Vol. 11, No. 30, 1951, Prague.)

See: Monthly List of East European Acquisitions, Library of Congress, Washington, D.C.

MARAN, J.

"The Northern Limit Of The Geographical Distribution Of The Species Acrida Hurgarica (Herbst) And Of Some Other Thermophilic Species Of The Acridodea In Czechoslovakia." p. 25. (Casomis. Series A. Historia Naturalis. Vol. 2, No. 4/7, 1942, spava.)

Sc: Monthly List of East European Acrididae, Library of Congress, Washington, D.C.

MARAN, J.

"Orthoptera of the Pieniny National Park", .. 65, (OCHRANA PRIMODY, Vol. 9,
No. 3, April 1954, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions, (EEL), LC, Vol. 3, No. 12,
Dec. 1954, Uncl.

MARAN, J.

SCIENCE

Periodicals: Ceskoslovenska spolecnost entomologicka CASOPIS. ACTA
SOCIETATIS ENTOMOLOGICAE CECHOSLOVENIAE. Vol. 52, 1955

MARAN, J. The concept of genus in entomology. p. 53.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 5,
May 1959, Unclass.